

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A drum ~~supporting~~ configured to form a rotor to support several rows of blades exposed to a flow of air from an upstream end of the drum to a downstream end thereof, the drum being a single-block drum generally in the form of a body of revolution about a longitudinal axis ~~and being intended in particular to form a rotor~~, the drum being made of a metal alloy and extending between ~~[[an]]~~ said upstream end and ~~[[a]]~~ said downstream end along a curved profile ~~that can be~~ circumscribed in an annular envelope extending around said longitudinal axis, said profile extending radially around a surface of revolution presenting a generatrix line, said downstream end being provided with a stiffener, wherein said stiffener ~~is provided with~~ comprises at least one composite assembly mounted only on said downstream end, said composite assembly comprising fibers and a polymer matrix.

Claim 2 (Currently Amended): ~~A~~ The drum according to claim 1, comprising a first portion made as a single piece of metal and a second portion forming said stiffener.

Claim 3 (Currently Amended): The ~~A~~ drum according to claim 1, wherein said downstream end defines an annular housing coaxial about said longitudinal axis, said housing being radially open towards the outside, and wherein said composite assembly is annular and wound around said downstream end, said composite assembly being positioned in said housing.

Claim 4 (Currently Amended): The ~~A~~ drum according to claim 1, wherein said downstream end forms a series of axial protrusions, and wherein said stiffener is formed by at

least one wound composite assembly in the form of a sleeve mounted on one of said protrusions.

Claim 5 (Currently Amended): The A-drum according to claim 1, wherein said stiffener is off-centered relative to said generatrix line.

Claim 6 (Currently Amended): The A-drum according to claim 5, wherein said stiffener is off-centered radially outwards relative to said generatrix line.

Claim 7 (Currently Amended): The A-drum according to claim 1, wherein said composite assembly is formed by wound ~~long~~ carbon fibers received in a matrix of thermosetting resin.

Claim 8 (Currently Amended): The A-drum according to claim 7, wherein said thermosetting resin is of the epoxy type.

Claim 9 (Currently Amended): An axial ~~centrifugal~~ compressor comprising, at ~~its a~~ rotor of the compressor, ~~a the~~ drum according to claim 1 ~~and having with~~ moving blades fixed thereon.

Claim 10 (Currently Amended): A ~~combustion turboshaft engine, in particular a turbojet engine, including a~~ comprising the axial compressor in accordance with claim 9.

Claim 11 (New): The drum according to claim 1, wherein said composite assembly comprises an opening at each end thereof.

Claim 12 (New): The drum according to claim 4, wherein said composite assembly comprises a U-shape longitudinal section engaged around the at least one of said protrusions.

Claim 13 (New): The drum according to claim 4, wherein said composite assembly comprises a cross section that is circular, oval, or oblong about an axis parallel to the longitudinal axis.

Claim 14 (New): The drum according to claim 1, wherein said composite assembly comprises carbon fibers, boron fibers, silicon fibers, boron carbide fibers, or silicon carbide fibers.

Claim 15 (New): The drum according to claim 14, wherein said composite assembly is formed by winding said fibers in a matrix comprising an epoxy resin, a polyimide resin, a nylon-based resin, or a polybenzimidazole resin.

Claim 16: (New): A drum configured to form a rotor of a compressor of an aircraft engine compressing an air flow from an upstream to a downstream end of the drum, the drum being a metallic single-block drum generally in the form of a body of revolution about a longitudinal axis, the drum comprising:

means for damping deformations of the drum effected by stresses generated during operation of the aircraft engine, said means being disposed in the downstream end of the drum and comprising fibers and a polymer matrix.

Claim 17 (New): The drum according to claim 16, wherein said means comprises a composite assembly formed by wound carbon fibers in a matrix of thermosetting resin.

Claim 18 (New): The drum according to claim 17, wherein said thermosetting resin is an epoxy resin.

Claim 19 (New): An axial compressor comprising, at a rotor thereof, the drum according to claim 16 having moving blades fixed thereon.

Claim 20 (New): A turbojet engine comprising the axial compressor according to claim 19.